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anti-JunB antibody (N-Term)

2 Images



Publication



Go to Product page

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Quantity:	100 μL
Target:	JunB (JUNB)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JunB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human JUNB
Sequence:	YGRAPGGLSL HDYKLLKPSL AVNLADPYRS LKAPGARGPG PEGGGGGSYF
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against JUNB. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	JunB (JUNB)
Alternative Name:	JUNB (JUNB Products)

Background:

The c-Jun proto-oncogene was first identified as the cellular homolog of the avian sarcoma virus v-Jun oncogene. The c-Jun protein, along with c-Fos, is a component of the AP-1 transcriptional complex. c-Jun can form either Jun/Jun homodimers or Jun/Fos heterodimers via the leucine repeats in both proteins. Jun B and Jun D, have been shown to be almost identical to c-Jun in their C-terminal regions, which are involved in dimerization and DNA binding, whereas their N-terminal domains, which are involved in transcriptional activation, diverge. JunB is involved in many types of human carcinoma including T-cell lymphomas, CML,primary cutaneous lymphomas. Aberrantly expressed c-Jun and JunB are a hallmark of Hodgkin lymphoma cells, stimulate proliferation and synergize with NF-kappa B. JunB potentiates function of BRCA1 activation domain 1 (AD1) through a coiled-coil-mediated interaction.JunB is an important regulator of erythroid Differentiation.

Alias Symbols: AP-1

Protein Interaction Partner: BATF, FOS, RFWD2, C19orf68, USP24, TCERG1, ZNF595, PKIA, MAP2, APLP2, FOSL1, DDIT3, ATF3, BATF2, BATF3, TCL1A, FOSL2, NPM1, NEU1, SMAD4, HOXA7, BDNF, ATF4, MAPK6, UBC, TDG, SET, SAT1, MAPK9, BRCA1, SUMO2, Cebpb, EP300, SMURF1, YY1, CREBBP, SMARCA4, JDP2,

Protein Size: 347

Molecular Weight:	36 kDa
Gene ID:	3726
NCBI Accession:	NM_002229, NP_002220
UniProt:	P17275

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 347 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

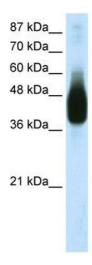
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

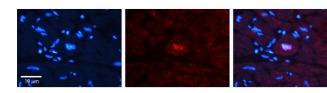
Schlögl, Keinrath, Zimmermann, Scherer, Leeb, Pfurtscheller: "A fully automated correction method of EOG artifacts in EEG recordings." in: **Clinical neurophysiology: official journal of the International Federation of Clinical Neurophysiology**, Vol. 118, Issue 1, pp. 98-104, (2006) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-JUNB Antibody Titration:1.25ug/ml ELISA Titer: 1:1562500 Positive Control:Transfected 293T



Immunohistochemistry

Image 2. Rabbit Anti-JUNB Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Nucleus Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec